



STIC Search Report

EIC 3700

STIC Database Tracking Number: 148368

**TO: Linda Sholl
Location: RND 8a31
Art Unit: 3700
Monday, March 21, 2005**

Case Serial Number: 10/813689

**From: Terry Solomon
Location: EIC 3700
RND 8b31
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Search Notes

No past or current litigation found pertaining to US pat. 6578378.

Sources:

Lexis/Nexis
Questel-Orbit

000790 (10) 6578378 June 17, 2003

Time of Request: March 21, 2005 02:16 PM EST

Research Information:

Utility, Design and Plant Patents
patno=6578378

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6578378

June 17, 2003

Process and installation for recovery and purification of ethylene produced by pyrolysis of
hydrocarbons, and gases obtained by this process

REISSUE: March 31, 2004 - Reissue Application filed Ex. Gp.: 3744; Re. S.N. 10/813,689 (O.G. June 29, 2004)

APPL-NO: 000790 (10)

FILED-DATE: December 4, 2001

GRANTED-DATE: June 17, 2003

ASSIGNEE-AT-ISSUE: Technip-Coflexip, Courbevoie, France (FR), 03

ASSIGNEE-AFTER-ISSUE: May 13, 2002 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR
DETAILS), TECHNIP-COFLEXIP 170 PLACE HENRI REGNAULT COURBEVOIE 92400 FRANCE, Reel and
Frame Number: 12888/0672

LEGAL-REP: Leydig, Voit & Mayer, Ltd. - ##0

Selected file: PLUSPAT
PLUSPAT - (c) Questel-Orbit, All Rights Reserved.
Comprehensive Worldwide Patents database

**** SS 1: Results 1**
PRT SS 1 MAX 1 LEGALALL

1 / 1 PLUSPAT - @QUESTEL-ORBIT - image

Patent Number :

US2002198430 A1 20021226 [US20020198430]

Patent Number 2 :

US6578378 B2 20030617 [US6578378]

Title :

(A1) Process and installation for recovery and purification of ethylene produced by pyrolysis of hydrocarbons, and gases obtained by this process

Patent Assignee :

(A1) TECHNIP COFLEXIP (FR)

Patent Assignee :

Technip-Coflexip, Courbevoie [FR]

Patent Assignee 2 :

(B2) TECHNIP COFLEXIP (FR)

Inventor(s) :

(A1) LAUGIER JEAN-PAUL (FR); KAISER VICTOR (FR); SIMON YVON (FR)

Application Nbr :

US79001 20011204 [2001US-0000790]

Priority Details :

FR0015922 20001207 [2000FR-0015922]

Intl Patent Class :

(A1) C07C-007/00 C10L-003/00

EPO ECLA Class :

C10G-070/04E

F25J-003/02A4

F25J-003/02C4

F25J-003/02C6

US Patent Class :

ORIGINAL (O) : 062622000; CROSS-REFERENCE (X) : 062630000 062935000

Document Type :

Corresponding document

Citations :

US4167402; US5253479; US5452581; US5678424; US5689032; US5884504;

EP377949; EP624562; EP675094

Publication Stage :

(A1) Utility Patent Application published on or after January 2, 2001

Publication Stage 2 :

(B2) U.S. Patent (with pre-grant pub.) after Jan. 2, 2001

Abstract :

A process for the high-yield recovery of ethylene and heavier hydrocarbons from the gas produced by pyrolysis of hydrocarbons in which the liquid products resulting from the fractionated condensation of a cracking gas for the recovery of almost all the ethylene, are supplied to a distillation column, called a de-ethanizer, at different intermediate levels. At the top of the de-ethanizer the vapor of the column distillate is treated directly in an acetylene hydrogenation reactor, the effluent containing virtually no acetylene being separated by a distillation column called a de-methanizer, into an ethylene- and ethane-enriched tail product, while the head product is recycled by compression or treated for subsequent recovery of ethylene.

Update Code :

2003-04

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Patent Number :

US2002198430 A1 20021226 [US20020198430]

US6578378 B2 20030617 [US6578378]

Application Number :

US79001 20011204 [2001US-0000790]

Action Taken :

20020513 US/AS-A

ASSIGNMENT

OWNER: TECHNIP-COFLEXIP 170 PLACE HENRI REGNAULT COURBEVO; EFFECTIVE

DATE: 20020318

ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:KAISER, VICTOR;LAUGIER,

JEAN-PAUL;SIMON, YVON;REEL/FRAME:012888/0672

20040629 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20040331

Update Code :

2004-45

1 / 1 CRXX - ©CLAIMS/RRX

Patent Number :

6,578,378 A 20030617 [US6578378]

Patent Assignee :

Technip-Coflexip FR

Actions :

20040331 REISSUE REQUESTED

ISSUE DATE OF O.G.: 20040629

REISSUE REQUEST NUMBER: 10/813689

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3744

Reissue Patent Number:

Session finished: 21 MAR 2005 Time 20:40:23

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